AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of fabricating a cleaved facet of a laser

device, said device having a substrate with a thickness of between 350 µm and 400 µm

formed of c-plane sapphire and at least one GaN-based layer formed upon a first

surface of the substrate, said method including the following steps:

[[•]] cutting linear grooves into a second surface of the substrate, said grooves

being in alignment with vertical planes of said substrate; the vertical planes being

selected from at least one of m-planes (1100) or a-planes (1120); and

[[•]] cleaving said substrate and said at least one GaN-based layer along said

vertical planes;

wherein said cutting is effected by a laser beam from an external laser source.

2-4. (Canceled)

5. (Currently Amended) The method according to claim 4 claim 1, wherein the

vertical planes are the a-planes (1120).

6-7. (Canceled)

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8. (Currently Amended) The method according to claim 6 claim 1, wherein the

grooves are cut to a depth of from about 40 µm to about 100 µm.

9. (Previously Presented) The method according to claim 8, wherein the grooves

are cut to a depth of from about 50 µm to about 80 µm.

10. (Previously Presented) The method according to claim 8, wherein the depth

of said grooves is controlled by process parameters including an intensity of the laser

beam, a speed at which the laser beam is scanned over the grooves and a number of

times the laser beam is scanned over said grooves.

11. (Previously Presented) The method according to claim 10, wherein the laser

beam was focused on the second surface of the substrate within a radius of from about

20 µm to about 30 µm at 1/e² density.

12. (Previously Presented) The method according to claim 10, wherein an

average power of the laser beam is about 1.4W.

13. (Previously Presented) The method according to claim 10, wherein a

repetition rate of the laser beam is from about 2 kHz to about 5 kHz.

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14. (Previously Presented) The method according to claim 10, wherein a pulse

width of the laser beam is from about 5 ns to about 30 ns.

15. (Previously Presented) The method according to claim 10, wherein the laser

beam is scanned over the second surface of the substrate from 2 to about 12 times at a

velocity of about 1 mm/sec.

16. (Previously Presented) The method according to claim 1, wherein the at

least one GaN-based layer includes a plurality of GaN-based layers.

17. (Previously Presented) The method according to claim 16, wherein the

plurality of GaN-based layers include GaN/InGaN/AIGaN layers.

18. (Previously Presented) The method according to claim 16, wherein the GaN-

based layers are formed using epitaxial lateral overgrowth (ELOG) techniques.

19. (Previously Presented) A laser device having cleaved facets formed

according to the method of claim 1.